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## Figure 1 (Continued I)

	351	400
Mur. tbc1	AQLCEGCPLQ GLHKLcerie GMNSSKTKE LQKHLTTLTN QEQTIFEEV	
TBC-1	aqlcegcplq slhkllerie gmnssktkle lqkhlttltn qeqatifeev	
dmu50542	-----	
celf35h12	VTLVVPHNIS GTVKLIDAQG KVLSFSLVN IRFCIRGESSIONC.GI	
Consensus	--L-----KL-----SS-----Q---F---	
	401	450
Mur. tbc1	QKLRPRNEQR ENELIISFLR CLYEEKQKEH SHTGAPKQTL QVAAENIGSD	
TBC-1	qklrprneqr eneliisflr clyeekqkeh ihigemkqts qmaenigse	
dmu50542	-----	
celf35h12	SFTHKISVGE HNSSDILHQV HVFRRTSKAET AAKALYSFSY AFSNKNVSE	
Consensus	-----N---I-----E-----N--S-	
	451	500
Mur. tbc1	LPPSASRFRL DSLKNRAKRS LTELESILS RGNKARGLQD HSASVLDSS	
TBC-1	lppsatrfrl dmlknakrs lteslesils rgnkarrlqe hsisvldss	
dmu50542	-----	
celf35h12	SNRLEFQFES ILEVENDGT VEKPSWKLCQ QHNGVFKVRR DREKKIVQL	
Consensus	-----F-----N-----	
	501	550
Mur. tbc1	TSSTLSNTSK ELSMGDKEAF PVSETSFKLL GSSDDLSSDS EGHIAEESAL	
TBC-1	lsstlsntsk epsvcekeaf pisessfkll gssedlssds eshlpeepap	
dmu50542	-----	
celf35h12	RQVARAKKTID GFLLNIKKCF GMLLAAGRNL RHSDLQLLEM DRNATGTDSC	
Consensus	-----T-----K--F-----L--S-----	
	551	600
Mur. tbc1	LSPQQAFRRR ANTSHFPVE CPAPPEPAQS SPGVSQRKLM RYHSVSTETP	
TBC-1	lspqqafrrr antshfpie cqepqparg spgvsqrklm ryhsnstetp	
dmu50542	-----	
celf35h12	VVFVIEA..NW DPRVHMFEVL NTETPRDTRV FMTVAIDVIV SEISEPIRFS	
Consensus	-----A-----F-----P-----V-----S-----	
	601	650
Mur. tbc1	HERKDFESKA NHLGDTDGTP VKTRRHWRQ QIFLRVATPQ KACDSPSRYE	
TBC-1	herkdfeska nhlgdsggtp vktrshswrq qiflrvatpq kacdssrye	
dmu50542	-----	
celf35h12	MEAMSRVFHE HERFYKTPQT VVSEEFTLVL EVRIRTEKLL ETHGNMLKS	
Consensus	E-----V-----R-----	
	651	700
Mur. tbc1	DYSELGELPP RSPLEPVCED GPFGQYRKCR GRRHASFESC GKRPSCSRSC	
TBC-1	dyselgelpp rsplepvced gpfaphqrkr kghlvssesc akrlffnryc	
dmu50542	-----	
celf35h12	VPIDFAWQLE GVYFLPTPSK SCDQSDPNDR KLTFISLESQDRKRSKQNL	
Consensus	-----P-----R-----K---S-ES------R-----	

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Figure 1 (Continued II)

	701	750
Mur. tbc1	...LVRMEKE NQKLQASEND LLNKRLKLDY .EEITPCLKE VTTVWEKMLS	
TBC-1	...clgmeke nqklqasend llnkrlkrf mkeitpclke vttvwekmls	
dmu50542	...LNRMETE NAMLQARQNE NELKRIKLDY .EEIVPCDKQ LIERWEQIIE	
celf35h12	GKSPSRMPHQ LLHPTGDDES DCDEPLLSGS GKVSQECKEE HLEMWDQLIE	
Consensus	-----RME-E N--LQA--N- ---KRLKL-- --EI-PC-KE -----WE----	
	751	800
Mur. tbc1	.TPGRSKIKF DMEKVHSAGV QGVPRHHRG E IWKFLAEOFH LK.HPPPSKO	
TBC-1	.tpgrskikf dmekmhsavg qgvprhhrg e iwkflaeofh lk.hpppsko	
dmu50542	RNSTQIGNKK DPKVVLGHAI R TGVPRSKRGD VWTFLAEOHS MNTAPVDTKR	
celf35h12	NWDQQQSD... RPKISELVL DGTPDKLRGR VVWLLSNAL	
Consensus	-----S--K- D--K---AV- -GVPR--RG- -W-FLAEQ-- -----K-	
	801	850
Mur. tbc1	QPK DVPYKE LLKKLTSGQH AIIIDLGRTF PTHPYESAQL GAGQISLYNI	
TBC-1	qpk dvpkyke llkqltsqgh aiiidlgrtf pthpyesaql gagqislyni	
dmu50542	FPNFNTPYHM LLKHILTEHQH AIFIDLGRTF PNHOFYKDPL GLGOLSLENL	
celf35h12	QPDIVEKYHI FLSOPCPSEQ VIMRDIIHRTF PAHDYLEKESQ GKGOQSLYKI	
Consensus	QP----PY-- LLK-LT--QH AI-IDLGRTF P-H-YF---L G-GQLSLYNI	
	851	900
Mur. tbc1	LKAYS-LLEDQ EVGYCQGLSF VAGILLLHMS EEEAFKMLKF LMFDLMLRKQ	
TBC-1	lkayc11ldq evgyccglst vagilrhmms eeeackmlkf livamglwvq	
dmu50542	IKAYAS-LLEDP ELGYCQGLSF ICCVLLLHCD EANSFOLLKH LMFRNNRRTX	
celf35h12	SKWYS-LYDE EV5YCQGLSF LAASLHHMP EECAPCTLVK IMENYGLRDI	
Consensus	LKAYS-LLD- EVGYCQGLSF -AG-LLLHM- EE-AF--LK- LMF--GLR--	
	901	950
Mur. tbc1	YFEDMILWJI OMQLSRLLH DYHRDLINHL EEEETGPPTY AAPWFILTVA	
TBC-1	yfcdmiliqj omqyqlsrllh dyhrdlmhj eeheigpaly aapwfiltma	
dmu50542	YTFDMDMKFQQL QLYQLSRLLVK DHLPDLYVWL DQNDVSPHTLY AAPWILTVES	
celf35h12	EKIGEPNEHHL REFFOLTAALK DYIPDLSHHL EHIGIETHMY ASQWEETLET	
Consensus	Y-PDM--LQ- Q-YQLSRLL- DY--DL--HL E----P--Y AAPWFILT-F-	
	951	1000
Mur. tbc1	SQFPLGFVAR VFDMIFLQGS EVIFKVALSL LGSHKPLILQ HENLETIVDF	
TBC-1	sqfplgfvar vfdmiflqgt evifkvavsl lgshkplilq henletivdf	
dmu50542	SQFPLGFVAR VFDLFLFLESS DVIFKFAIAL LSVHKQQLLA KDNFEEIMDY	
celf35h12	AKFPLQMVF F ILDLFLSQGM NTIFHISLAL LDDAKTDLLQ LD.FEGTLKY	
Consensus	SQFPLGFVAR VFD--FLQG- -VIFK-A--L L--HK---LQ --N-E-I-D-	
	1001	1050
Mur. tbc1	IKNTLPNLGL VQMEKTISQV FEMDIAKQLQ AYEVEYHVVQ EELIESSPLS	
TBC-1	ikstlpnlgl vqmektingv femdiakqlq ayevehhvlq eelidsspls	
dmu50542	LKTVVPKMEH TCMEQIMKLV FSMDIGKQLA EYNVEYNVLQ EEI.....TT	
celf35h12	FRVSLPRKYL T..EASTKCL IHKAVKFRLN HSKLEVYENE YKRIKELERE	
Consensus	-K--LP---- --ME----V F-MDI-KQL- -Y-VE--V-Q EE-I-----	